



PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	10/606,690
(use as many sheets as necessary)		Filing Date	06/26/2003
Sheet 1		First Named Inventor	Taylor-Smith
of 3		Art Unit	1796
		Examiner Name	Matochik
		Attorney Docket Number	100.2490

**U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Signature	/Thomas Matochik/	Date Considered	12/13/2007
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(use as many sheets as necessary)		Filing Date	06/26/2003
Sheet 2	of 3	First Named Inventor	Taylor-Smith
		Art Unit	1796
		Examiner Name	Matochik
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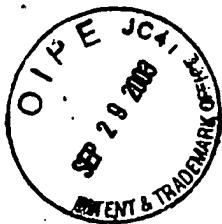
<b>OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue Number(s), publisher, city and/or country where published.	
/T.M./	14	AINSLIE, A Review of the Fabrication and Properties of Erbium-Doped Fibers for Optical Amplifiers, Journal of Lightwave Technology, Feb. 1991, Page(s) 220-227, Volume 9, Number 2	
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/T.M./	20	DUTTON, Optical Devices, Understanding Optical Communications, Page(s) 189-229	
/T.M./	21	EMPEDOCLES ET AL., Photoluminescence Spectroscopy of Single CdSe Nanocrystallite Quantum Dots, Physical Review Letters, 10/28/1996, Page(s) 3873-3876, Volume 77, Number 18	
/T.M./	22	GAPONTSEV ET AL., Erbium Glass Lasers and Their Applications, Optics and Laser Technology, Aug. 1982, Page(s) 189-198	
/T.M./	23	HINES ET AL., Synthesis and Characterization of Strongly Luminescing ZnS-Capped CdSe Nanocrystals, J. Phys. Chem., 1996, Page(s) 468-471, Volume 100, Number 2	
/T.M./	24	KAGAN ET AL., Electronic Energy Transfer in CdSe Quantum Dot Solids, Physical Review Letters, 02/26/1996, Page(s) 1517-1520, Volume 76, Number 9	

Examiner Signature	/Thomas Matochik/	Date Considered	12/13/2007
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			Application Number	10/606,690	
(use as many sheets as necessary)			Filing Date	06/26/2003	
Sheet 3 of 3			First Named Inventor	Taylor-Smith	
			Art Unit	1796	
			Examiner Name	Matochik	
			Attorney Docket Number	100.2490	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue Number(s), publisher, city and/or country where published.	
/T.M./	25	KIK ET AL., Erbium-Doped Optical-Waveguide Amplifiers on Silicon, MRS Bulletin, April 1998, Page(s) 48-54	
/T.M./	26	KRISHNASWAMY ET AL., Optical Properties of Polymer Waveguides Dispensed on an Erbium/Ytterbium Codoped Glass, IEEE Journal of Selected Topics in Quantum Electronics, June 1998, Page(s) 373-377, Volume 2, Number 2	
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/T.M./	32	URQUHART, Review of Rare Earth Doped Fibre Lasers and Amplifiers, IEE Proceedings, Dec. 1988, Page(s) 385-407, Volume 135, Pt. J, Number 6	
/T.M./	33	ZYSKIND ET AL., Erbium-Doped Fiber Amplifiers and the Next Generation of Lightwave Systems, AT&T Technical Journal, Feb. 1992, Page(s) 53-62	

Examiner Signature	/Thomas Matochik/	Date Considered	12/13/2007
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

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of

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Attorney Docket Number

### C mplete if Known

Application Number	10/606,690
Filing Date	06/26/2003
First Named Inventor	Taylor-Smith
Art Unit	2074 1796
Examiner Name	Matochik

Sheet	1	of	1	Attorney Docket Number	100.2490
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### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/T.M./	1.	DESURVIRE, The Golden Age of Optical Fiber Amplifiers, Physics Today, January 1994, Page(s) 20-27, Volume 47	
/T.M./	2.	DIGIOVANNI, Materials Aspects of Optical Amplifiers, Mat. Res. Soc. Symp. Proc., 1992, Page(s) 135-142, Volume 244, Publisher: Materials Research Society	
/T.M./	3.	HANNA, Fibre Lasers, Solid State Lasers: New Developments and Applications, 1993, Page(s) 231-245, Edited by Inguscio et al., Publisher: Plenum Press, Published in: New York	
/T.M./	4.	LEE ET AL., Ion Clustering and Crystallization of Sol-Gel-Derived Erbium Silicate Glass, J. Mater. Sci. Lett., 1994, Page(s) 615-617, Volume 13	
/T.M./	5.	LOY ET AL., Bridged Polysilsesquioxanes: Highly Porous Hybrid Organic-Inorganic Materials, Chem. Rev., 1995, Page(s) 1431-1442, Volume 95	
/T.M./	6.	SANCHEZ ET AL., Design of Hybrid Organic-Inorganic Materials Synthesized via Sol-Gel Chemistry, New J. Chem., October 1994, Page(s) 1007-1047, Volume 18	
/T.M./	7.	STONE ET AL., In Situ Dehydroxylation in Eu <sup>3+</sup> -Doped Sol-Gel Silica, Chem. Mater., 1997, Page(s) 2592-2598, Volume 9	

Examiner Signature	/Thomas Matochik/	Date Considered	12/13/2007
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

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of

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Complete If Known

Application Number	101606,690
Filing Date	JUNE 26, 2003
First Named Inventor	TAYLOR - SMITH
Art Unit	2874 1796
Examiner Name	MASSIANO Matochik
Attorney Docket Number	10000.011

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/T.M./		JIN, TETSURO, ET AL., "Luminescence properties of lanthanide complexes incorporated into sol-gel derived inorganic-organic composite materials", <u>J. Non-Cryst. Solids</u> , Vol. 223, pp. 123-132 (Elsevier Science B.V., 1998).	
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/T.M./		STREK, W., ET AL., "Optical properties of Eu(III) chelates trapped in silica gel glasses", <u>Optical Materials</u> , Vol. 13, pp. 41-48 (Elsevier Science B.V., 1999).	
/T.M./		FAN, XIANPING, ET AL., "Luminescence behavior of the europium (III) complexes with hexafluoroacetylacetone in the ORMOSIL matrices", <u>Mat. Sci. &amp; Eng'g</u> , vol. B100, pp. 147-151 (Elsevier Science B.V., 2003).	

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